



JUN 29 2004

SHEET 1 OF 1

**INFORMATION DISCLOSURE
CITATION IN AN
APPLICATION**

(PTO-1449)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number & Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
Dm		JP 07-282609	10/27/1995	TSUZUKI SHOGO	Correspondence to U.S. 5,535,230	w/English Abstract	
dm		JP 5-1598	1/14/1993	TOYODA GOSEI CO., LTD.		YES	
dm		JP 62-184585	11/24/1987	TAKIRON CO., LTD.		YES	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CITATION (Including Author, Title, Date, Page(s), Etc.)		
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
DR		"Proposal of 2-D Photonic Crystal Light Emitting Diode with Surface Grating," September 2001, page 791, (in Japanese)
DR		"Highly Directive Light Sources using Two-dimensional Photonic Crystal Slabs", Applied Physics Letters, December 2001, Vol. 79, No. 26, pp. 4280-4282
VM		"Strongly Directional Emission from AlGaAs/GaAs Light-Emitting Diodes" Applied Physics Letters, November 1990, Vol. 57, No. 22, pp. 2327-2329

EXAMINER

DATA CONSIDERED

3201

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.